

STEREO MOC Status Report
Time Period: 2013:322 - 2013:328

STEREO Ahead (STA) Status:

1. The following Ground System anomalies/events occurred during this reporting period:

- On day 322, during the DSS-65 support, turbo decoder lock was lost intermittently beginning at 0712z through 1357z. This anomaly resulted in the loss of 616 frames of SSR data. See DR# M107585 more information.
- On day 323, during the DSS-55 support, turbo decoder lock was lost intermittently beginning at 1357z through 1401z. The drop in signal level and receiver lock was caused by powering off the IMU following the momentum dump, which is a part of the reduced gyro operations. The engineer team is further analyzing the guidance and control performance to determine an adjustment to the momentum dump concept of operations. This anomaly resulted in the loss of 3458 frames of SSR data.
- On day 326, during the DSS-14 support, turbo decoder lock was lost intermittently beginning at 1721z through 1725z due to weather. The SSR pointers for were repositioned prior to the outage and all data was recovered. See DR# G114427 more information.
- On day 327, during the DSS-54 support, turbo decoder lock was lost briefly at 0802z. This anomaly resulted in the loss of one frame of SSR data.

2. The following spacecraft/instrument events occurred during this week:

- On day 323, the 62nd momentum dump was executed successfully at 1330Z, which imparted a delta V of 0.088 m/sec.
- On day 324, the SSR science partitions filled as follows:

PLASTIC (Part 17) reached 95% full at 0405z for 3.6 hours.
- The average daily SSR playback volume for Ahead was 4.2 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies/events occurred during this reporting period:

- On day 323, during the DSS-25 support, turbo decoder lock was lost briefly at 2246z. This anomaly resulted in the loss of one frame of SSR data.
- On day 326, during the DSS-25 support, turbo decoder lock was lost briefly at 2352z. This anomaly resulted in the loss of one frame of SSR data.
- On day 327, during the DSS-26 support, turbo decoder lock was lost briefly at 2317z. This anomaly resulted in the loss of one frame of SSR data.
- On day 328, during the DSS-65 support, turbo decoder lock was lost briefly at 1026z. This anomaly resulted in the loss of one frame of SSR data.

2. The following spacecraft/instrument events occurred during this week:

- On day 325, the 13th SECCHI 180 degree comet Ison roll was executed successfully at 0600z.
- On day 326, the 14th SECCHI 180 degree comet Ison roll was executed successfully at 0600z.
- On day 327, the 15th SECCHI 180 degree comet Ison roll was executed successfully at 0600z.
- On day 328, the 16th SECCHI 180 degree comet Ison roll was executed successfully at 0600z.
- The average daily SSR playback volume for Behind was 3.1 Gbits during this week.